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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**



Declaration  
Submitted  
with Initial  
Filing

OR



Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

43049-0007

First Named Inventor

AWEYA, James et al.

**COMPLETE IF KNOWN**

Application Number

Filing Date

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**RATE-BASED MULTI-LEVEL ACTIVE QUEUE MANAGEMENT WITH DROP  
PRECEDENCE DIFFERENTIATION**

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☐ Customer Number  OR ☒ Correspondence address below

Name

Address

City

State

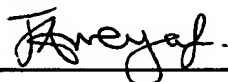
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Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventorGiven Name James  
(first and middle [if any])Family Name AWEYA  
or SurnameInventor's  
Signature

Date 18 July 2003

Kanata

ON

Canada

Canadian

Residence: City

State

Country

Citizenship

24 Stikine Drive

Mailing Address

Kanata

ON

K2T 1H1

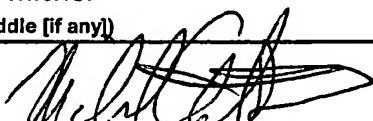
Canada

City

State

ZIP

Country

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventorGiven Name Michel  
(first and middle [if any])Family Name OUELLETTE  
or SurnameInventor's  
Signature

Date 18 July 200

Plantagenet

ON

Canada

Canadian

Residence: City

State

Country

Citizenship

865 Concession 1

Mailing Address

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K0B 1L0

Canada

City

State

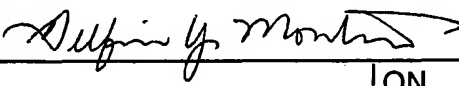
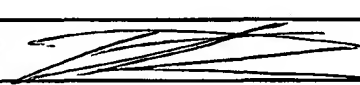
ZIP

Country

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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**DECLARATION****ADDITIONAL INVENTOR(S)****Supplemental Sheet**Page 1 of 1

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <b>Delfin</b>		Family Name or Surname <b>MONTUNO</b>	
Inventor's Signature 		Date <b>18 July 2003</b>	
Residence: City <b>Kanata</b>	State <b>ON</b>	Country <b>Canada</b>	Citizenship <b>Canadian</b>
Mailing Address <b>122 Knudson Drive</b>			
City <b>Kanata</b>			
State <b>ON</b>	ZIP <b>K2K 2L8</b>	Country <b>Canada</b>	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name <b>Kent</b>		Family Name or Surname <b>FELSKE</b>	
Inventor's Signature 		Date <b>18 July 2003</b>	
Residence: City <b>Kanata</b>	State <b>ON</b>	Country <b>Canada</b>	Citizenship <b>Canadian</b>
Mailing Address <b>99 Shearer Crescent</b>			
City <b>Kanata</b>		State <b>ON</b>	Country <b>Canada</b>
State <b>ON</b>		ZIP <b>K2L 3V6</b>	Country <b>Canada</b>
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	ZIP	Country

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT/DOCKET NO. \_\_\_\_\_  
CUSTOMER NO. \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	§	Attorney Docket No. 43049-0007
	§	
Serial No.: n/a	§	
	§	
Filed: Herewith	§	Group Art Unit: n/a
	§	
Title: RATE-BASED MULTI-LEVEL ACTIVE QUEUE MANAGEMENT WITH DROP PRECEDENCE DIFFERENTIATION	§	Examiner: n/a

Commissioner for Patents  
Washington, D.C. 20231

POWER OF ATTORNEY FOR  
PATENT APPLICATION

Nortel Networks Limited, a Canadian corporation having principal offices at:

**2351 Boulevard Alfred-Nobel  
St. Laurent, Quebec H4S 2A9, Canada**

the owner by assignment of the entire right, title and interest to the invention for RATE-BASED MULTI-LEVEL ACTIVE QUEUE MANAGEMENT WITH DROP PRECEDENCE DIFFERENTIATION, by AWEYA, James; OUELLETTE, Michel; MONTUNO, Delfin; and FELSKÉ, Kent, and in and to the application for patent and an Letters Patent, whether domestic or foreign, that may issue thereon, hereby appoints the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

W. Charles Kent, Registration No. 26,135; and/or  
William R. Edgar, Registration No. 27,522; and/or  
Mitchell B. Charness, Registration No. 46,416; and/or  
Adrian Zahl, Registration No. 35,774.

its attorneys with full power of substitution and revocation, to prosecute all domestic and foreign patent applications, including PCT and EPO filings, relating to said invention and to transact all business connected therewith, including signing of all papers on its behalf and making alterations and amendments.

Please address all correspondence and telephone calls regarding this application to:

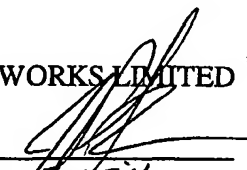
Mr. W. Charles Kent, of RIDOUT & MAYBEE P, whose full office address is 150  
Metcalf Street, 19<sup>th</sup> Floor, Ottawa, Ontario K2P 1P1, Canada,  
Telephone No. (613) 236-1995.

---

The undersigned is the representative for the Assignee of the entire right, title, and  
interest in the patent application identified above, and is authorized to act on behalf of the  
Assignee.

July 22, 2003  
Date

NORTEL NETWORKS LIMITED

  
Name: J-P Fortin

DIRECTOR, IP  
Title

Applicant: Nortel Networks Limited  
Title: RATE-BASED MULTI-LEVEL ACTIVE QUEUE MANAGEMENT  
WITH DROP PRECEDENCE DIFFERENTIATION  
Serial No.: (unknown)  
Filed: (unknown)  
Executed: July 18, 2003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPOINTMENT OF ASSOCIATE AGENT**

The undersigned, W. Charles Kent, Registration No. 26135, and William R. Edgar, Registration No. 27522, principal attorneys and/or agents appointed to prosecute this application hereby appoint as their associate attorney and/or agent to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Lindsay McGuinness, (Registration No. 38549)

Mary Steubing, (Registration No. 37946)

of Steubing McGuinness & Manaras L.L.P. 30 Nagog Park, Acton, MA, 01720, United States of America.

Address all telephone calls to Ms. Lindsay McGuinness at (978) 264-6664 x304 and address all correspondence to Steubing McGuinness & Manaras L.L.P. at the above-captioned address.



W. Charles Kent

  
William R. Edgar